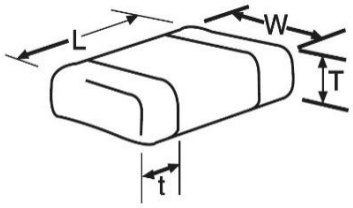
0603ZG105ZAT2A

(0603 10V Y5V 1uF +80% -20%)

Electrical Characteristics Data

Data in this document is subject to change without notice.

Dimensions



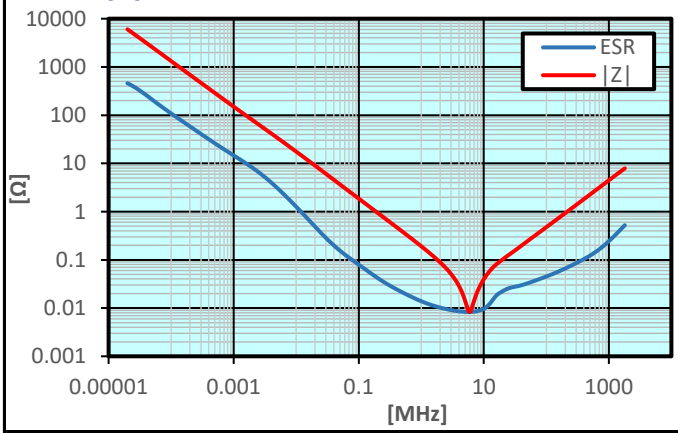
	millimetres (inches)
L	1.60 ± 0.15 (0.063 ± 0.006)
W	0.81 ± 0.15 (0.032 ± 0.006)
T max.	0.9 (0.035)
t	0.35 ± 0.15 (0.014 ± 0.006)

Basic Specifications

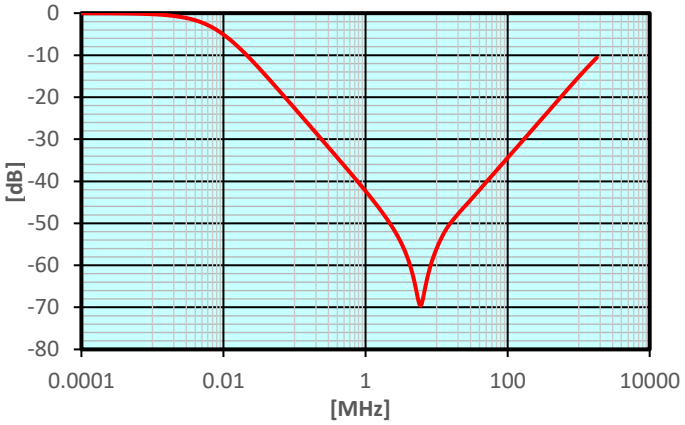
Item	*Unit*	*Spec.*	*Conditions*
Capacitance	uF	0.8 to 1.8	@ 1 kHz, 1 Vrms
DF	%	12.5 max.	@ 1 kHz, 1 Vrms
IR	MΩ	500 min.	@ 10 Vdc, t = 120 s
DWV	Vdc	25	@ I ≤ 50mA, t ≤ 5 s

Operating Temperature	-30 °C to +85 °C
Dielectric	Y5V
AEC-Q200	Not qualified
RoHS Compliant	Yes

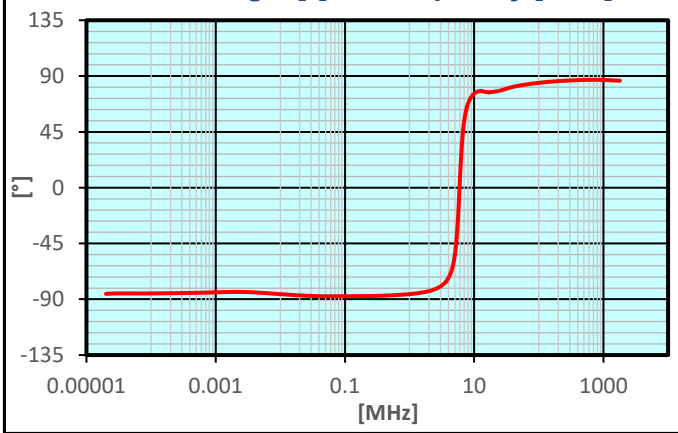
|Z| & ESR [Ohm] vs Frequency [MHz]



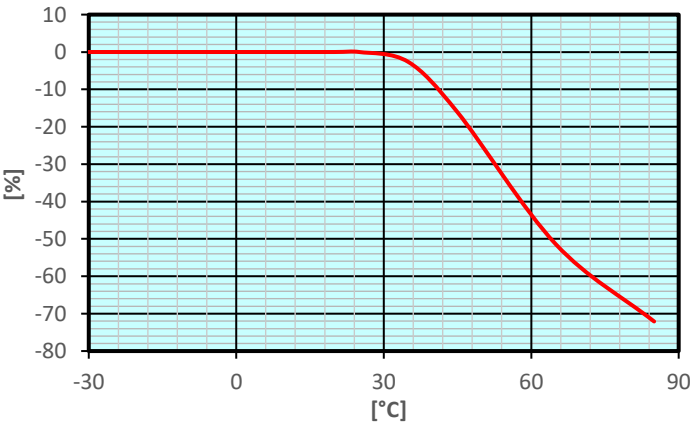
S21 [dB] (50Ω, shunt) vs Freq. [MHz]



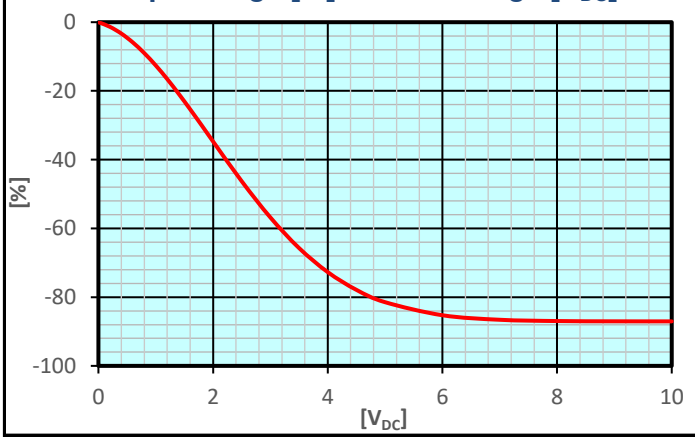
Phase Angle [°] vs Frequency [MHz]



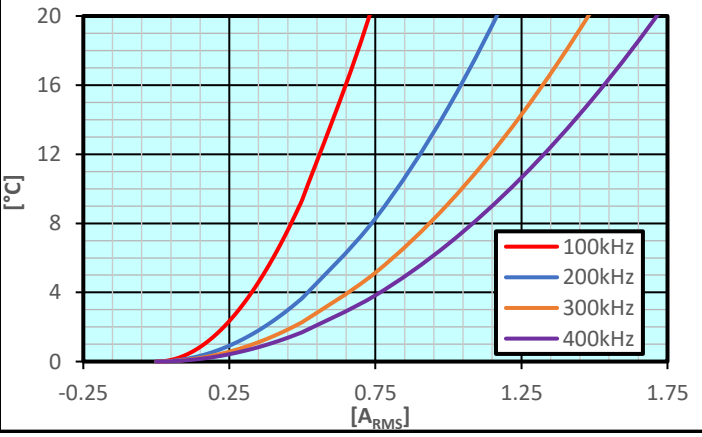
Cap.Change [%] vs Temperature [°C]



Cap.Change [%] vs DC Voltage [V_{DC}]



Temp.Rise [°C] vs Ripple Curr. [ARMS]



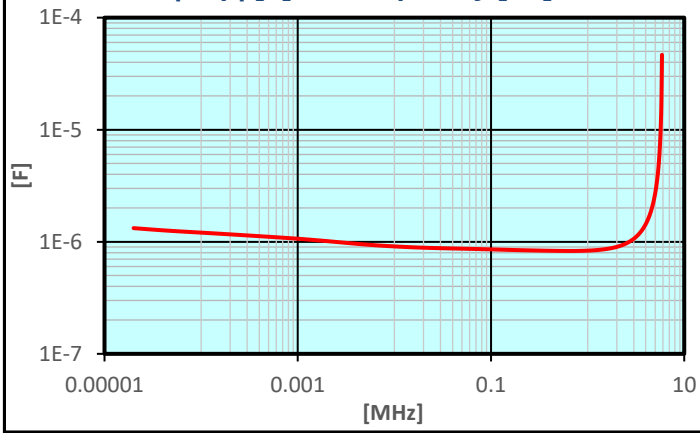
0603ZG105ZAT2A

(0603 10V Y5V 1uF +80% -20%)

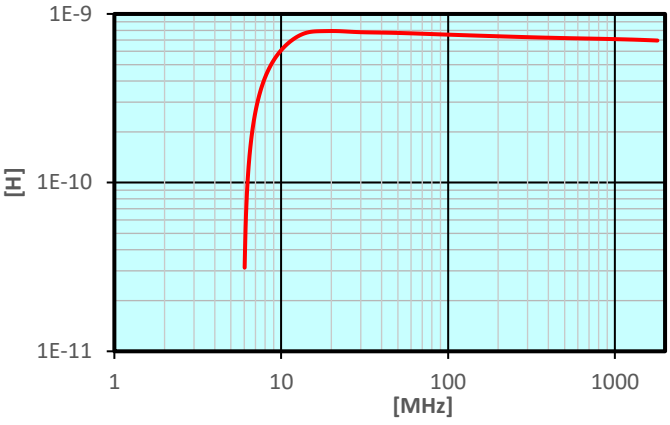
Electrical Characteristics Data

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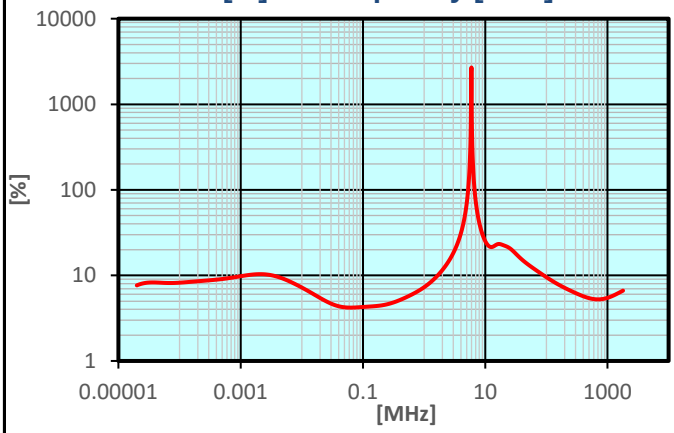
|Cap| [F] vs Frequency [Hz]



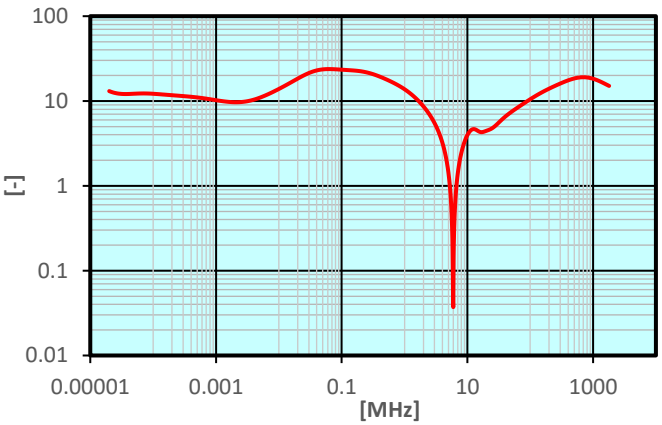
|ESL| [H] vs Frequency [Hz]



DF [%] vs Frequency [MHz]



Q [-] vs Frequency [MHz]



HOW TO ORDER:

0805	3	G	104	Z	A	T	2	A
Size (L" x W")	**Voltage** 6.3V = 6 10V = Z 16V = Y 25V = 3 50V = 5	**Dielectric** Y5V = G	**Capacitance Code (In pF)** 2 Sig. Digits + Number of Zeros	**Capacitance Tolerance** Z = +80 –20%	**Failure Rate** A = Not Applicable	**Terminations** T = Plated Ni and Sn	**Packaging** 2 = 7" Reel 4 = 13" Reel	**Special Code** A = Std. Product